

Abstract

The invention relates to two methods for forming a fuel/air mixture of a directly injecting internal combustion engine with a spark ignition. In the first method, the fuel injection is configured in a homogeneous operating mode of the internal combustion engine in such a way that a first and a second part amount are introduced in the intake stroke, and a third part amount is introduced in the compression stroke, wherein the ignition of the fuel/air mixture which is formed takes place after the end of injection of the third part amount. In the second method, the fuel injection is configured in a stratified charge operating mode of the internal combustion engine in such a way that a first, a second and a third part amount are introduced into the combustion chamber during the compression stroke of the internal combustion engine, wherein the injection of the second part amount is ended at a crank angle which lies in a range between 15°CA before the ignition time to 4°CA after the ignition time.